



SAG AND TENSION TABLES FOR LASHED CABLES ON 16M STRAND

LIGHT LOADING AREAS

1.0" DIAMETER (0.7 #/FT.) FILLED FOAM-SKIN CABLE

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER LIGHT LOADING (Feet) - (Inches)		EXPECTED TENSION UNDER LIGHT LOAD (Lbs.)	UNLOADED SAG AFTER STORM (Feet) - (Inches)	
100	3600	0	4	0	7	3641	1	1
200	3600	1	6	2	2	3665	2	7
300	3600	3	4	4	10	3704	4	7
400	3600	5	11	8	7	3753	7	4
500	3600	9	4	13	2	3810	10	9
600	3600	13	5	18	8	3872	14	10
700	3600	18	3	24	11	3936	19	9
800	3600	23	10	32	1	4001	25	4
900	3600	30	1	39	11	4066	31	9
1000	3600	37	2	48	6	4130	38	10
1030	3600	39	5	51	3	4149	41	1

1.2" DIAMETER (0.9 #/FT.) FILLED FOAM-SKIN CABLE

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER LIGHT LOADING (Feet) - (Inches)		EXPECTED TENSION UNDER LIGHT LOAD (Lbs.)	UNLOADED SAG AFTER STORM (Feet) - (Inches)	
100	3600	0	5	0	8	3643	1	2
200	3600	1	9	2	6	3674	2	9
300	3600	3	12	5	7	3721	5	1
400	3600	7	1	9	9	3780	8	3
500	3600	11	0	15	0	3846	12	3
600	3600	15	11	21	3	3917	17	2
700	3600	21	7	28	5	3988	22	11
800	3600	28	3	36	6	4058	29	7
890	3600	34	11	44	6	4120	36	4

1.4" DIAMETER (1.4 #/FT.) FILLED FOAM-SKIN CABLE

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER LIGHT LOADING (Feet) - (Inches)		EXPECTED TENSION UNDER LIGHT LOAD (Lbs.)	UNLOADED SAG AFTER STORM (Feet) - (Inches)	
100	3600	0	7	0	10	3646	1	3
200	3600	2	6	3	2	3682	3	3
300	3600	5	6	6	12	3737	6	5
400	3600	9	10	12	3	3801	10	9
500	3600	15	4	18	9	3869	16	4
600	3600	22	2	26	7	3938	23	1
685	3600	28	10	34	1	3994	29	10

NOTES: Light loading is defined under NESC Rules 250 and 251 as 9 PSF horizontal wind pressure at 30° Fahrenheit and no ice. Stringing tensions are at 60° (F).

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LIGHT LOADING AREAS

1.6" DIAMETER (1.8 #/FT.) FILLED FOAM-SKIN CABLE

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER LIGHT LOADING (Feet) - (Inches)		EXPECTED TENSION UNDER LIGHT LOAD (Lbs.)	UNLOADED SAG AFTER STORM (Feet) - (Inches)	
100	3600	0	9	0	11	3648	1	3
200	3600	3	0	3	8	3691	3	8
300	3600	6	9	8	2	3752	7	6
400	3600	12	1	14	4	3821	12	10
500	3600	18	10	21	11	3891	19	7
575	3600	24	11	28	8	3941	25	8

1.8" DIAMETER (2.4 #/FT.) FILLED FOAM-SKIN CABLE

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER LIGHT LOADING (Feet) - (Inches)		EXPECTED TENSION UNDER LIGHT LOAD (Lbs.)	UNLOADED SAG AFTER STORM (Feet) - (Inches)	
100	3600	1	0	1	2	3651	1	5
200	3600	3	10	4	6	3700	4	5
300	3600	8	8	9	11	3764	9	3
400	3600	15	5	17	4	3831	16	0
465	3600	20	10	23	2	3873	21	5

2.0" DIAMETER (2.7 #/FT.) FILLED FOAM-SKIN CABLE

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER LIGHT LOADING (Feet) - (Inches)		EXPECTED TENSION UNDER LIGHT LOAD (Lbs.)	UNLOADED SAG AFTER STORM (Feet) - (Inches)	
100	3600	1	1	1	3	3654	1	6
200	3600	4	3	4	11	3709	4	9
300	3600	9	7	10	10	3779	10	1
400	3600	17	1	18	11	3850	17	7
425	3600	19	3	21	4	3867	19	10

NOTES: Light loading is defined under NESC Rules 250 and 251 as 9 PSF horizontal wind pressure at 30° Fahrenheit and no ice. Stringing tensions are at 60° (F).